

FIGURE 1

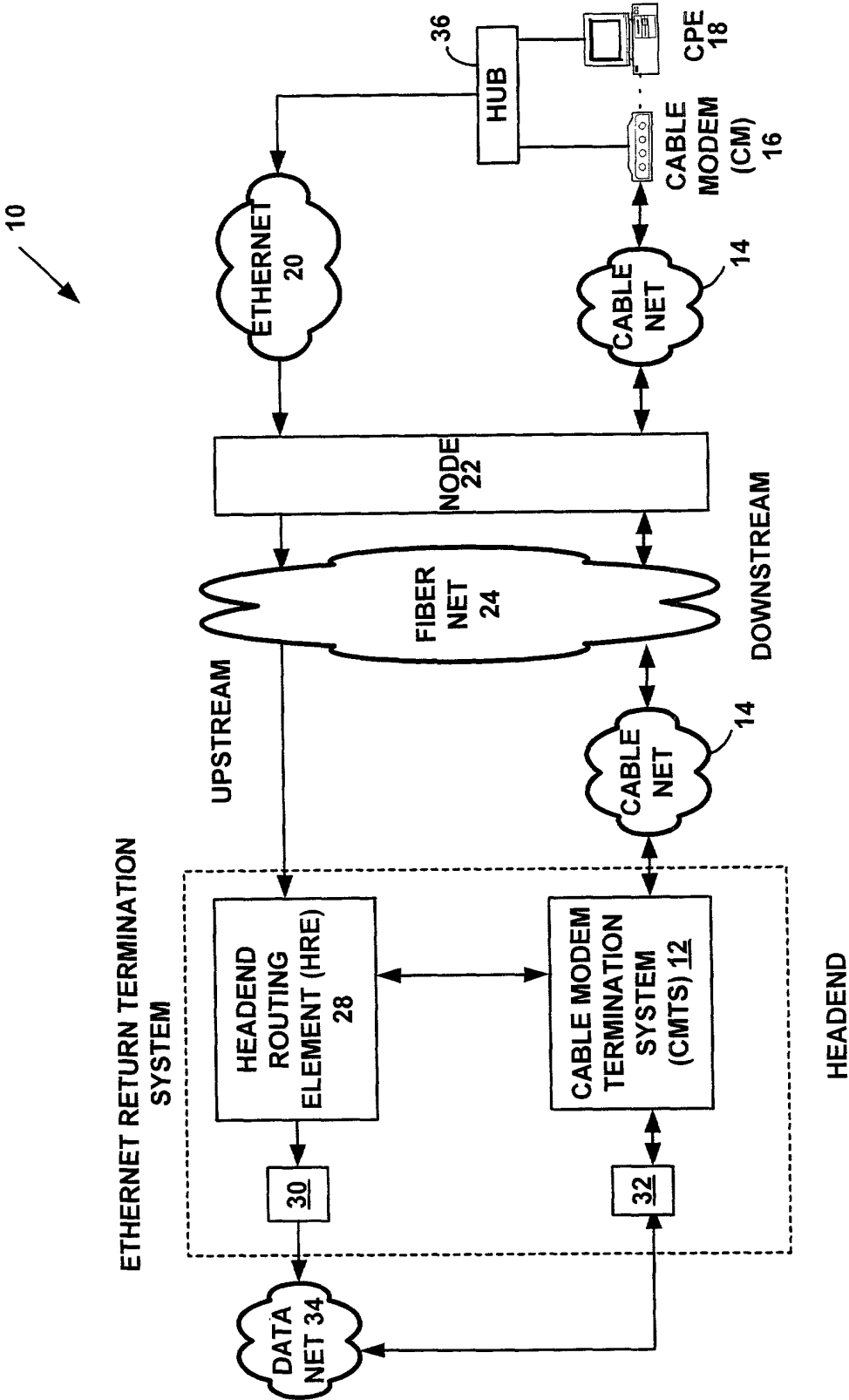


FIGURE 2

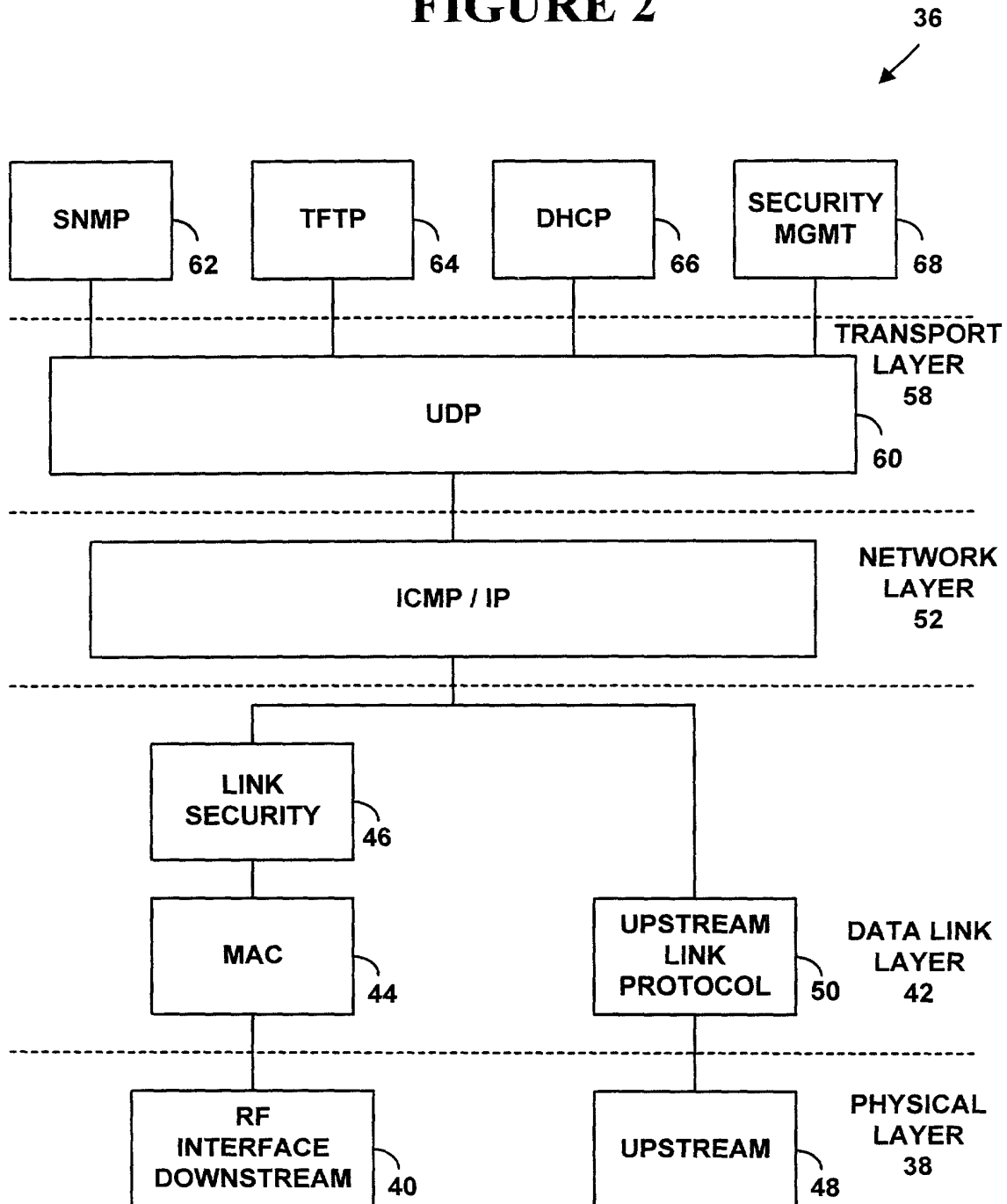


FIGURE 3

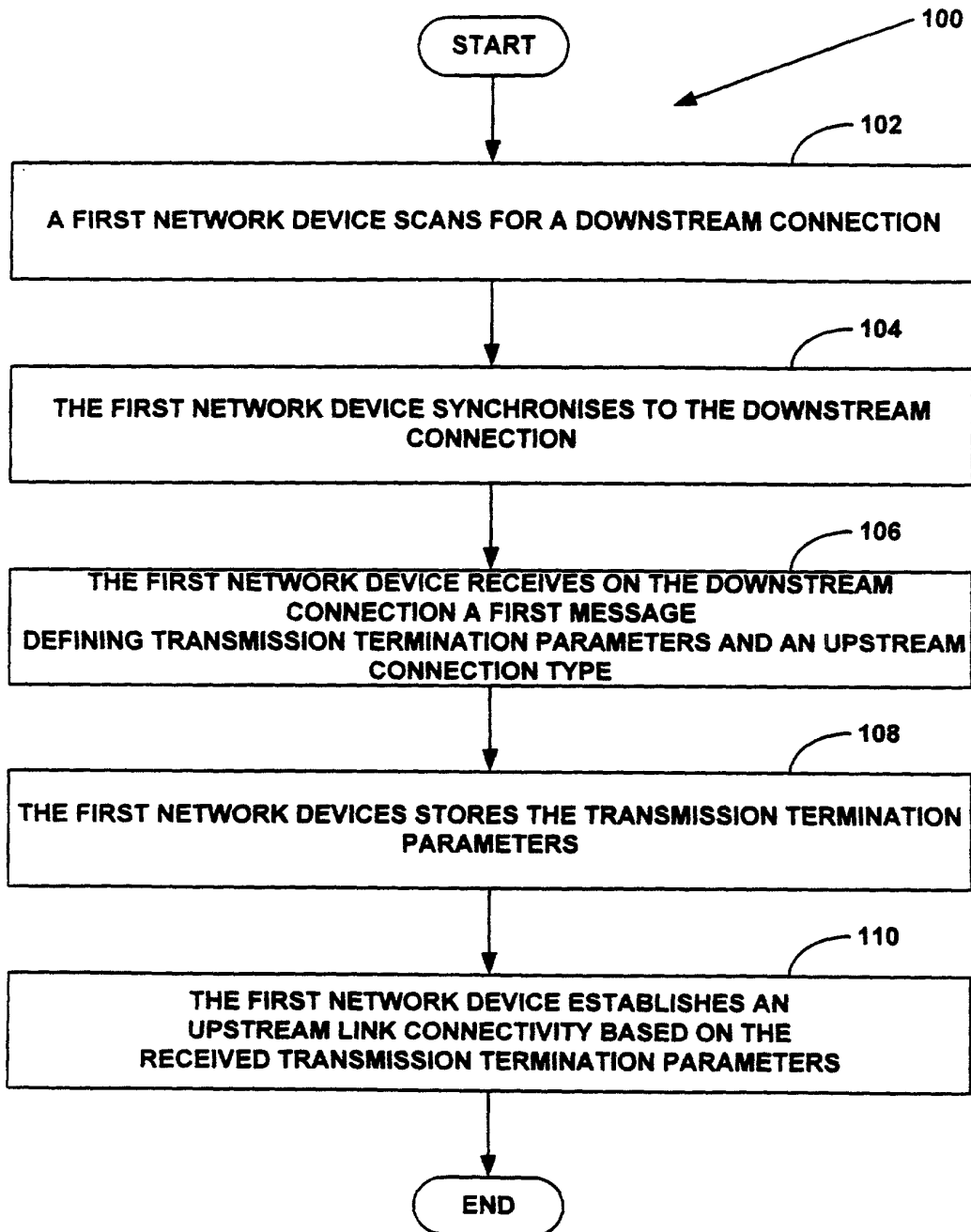


FIGURE 4

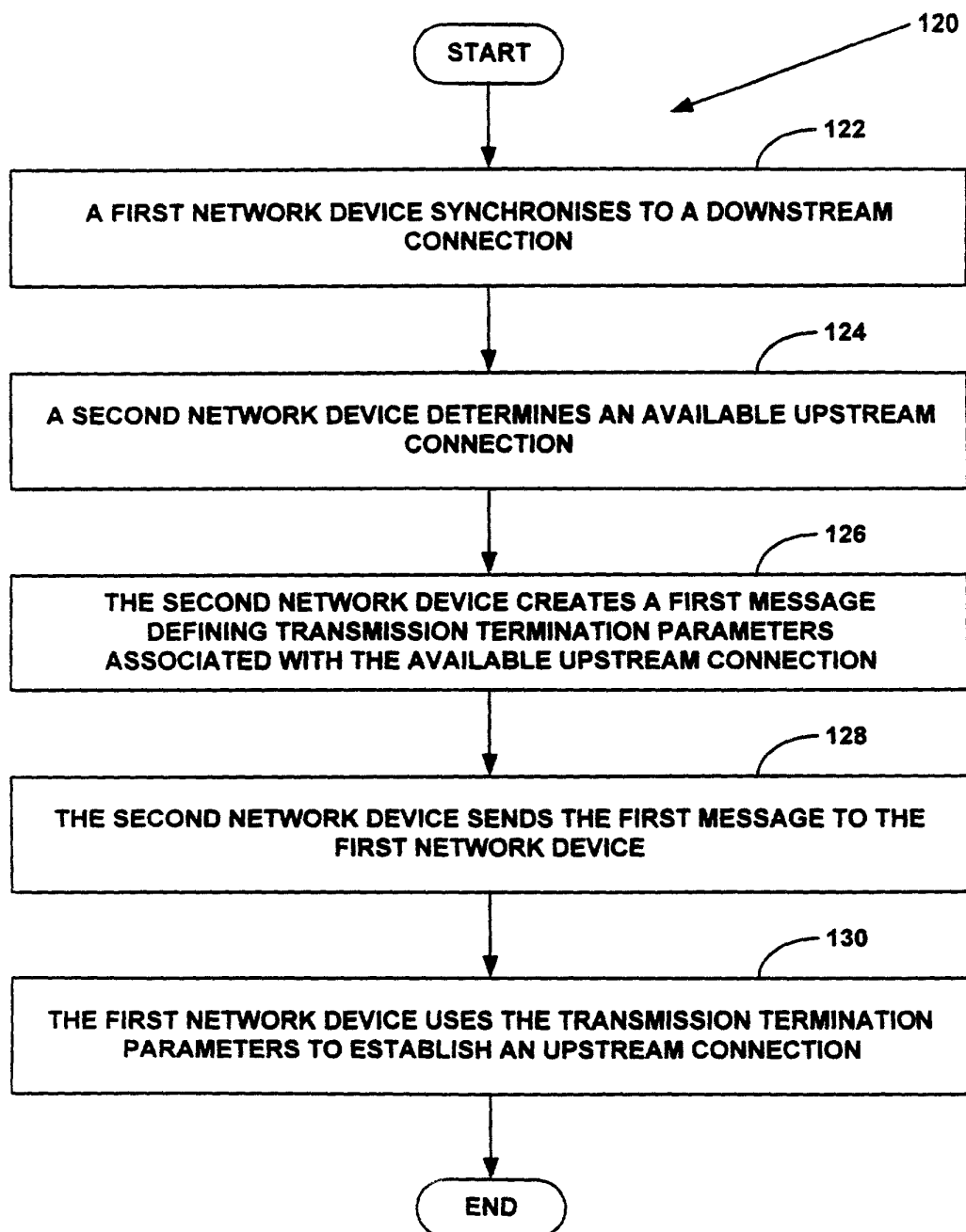


FIGURE 5

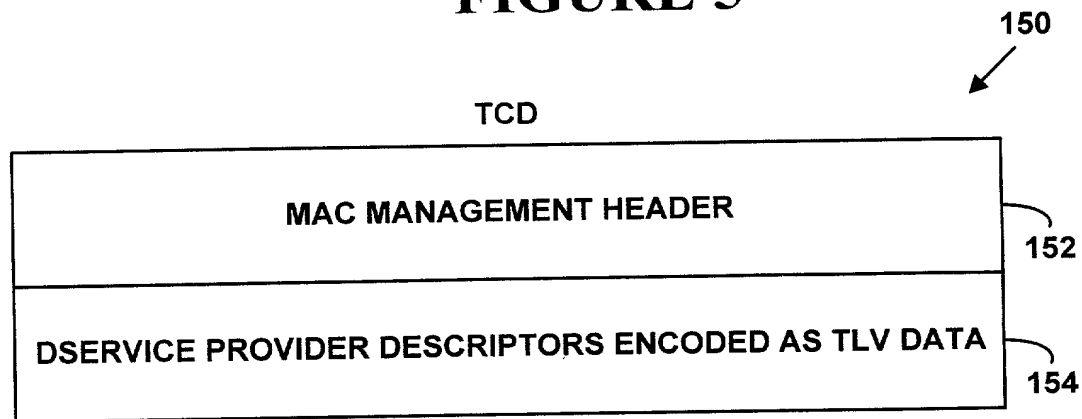


FIGURE 6

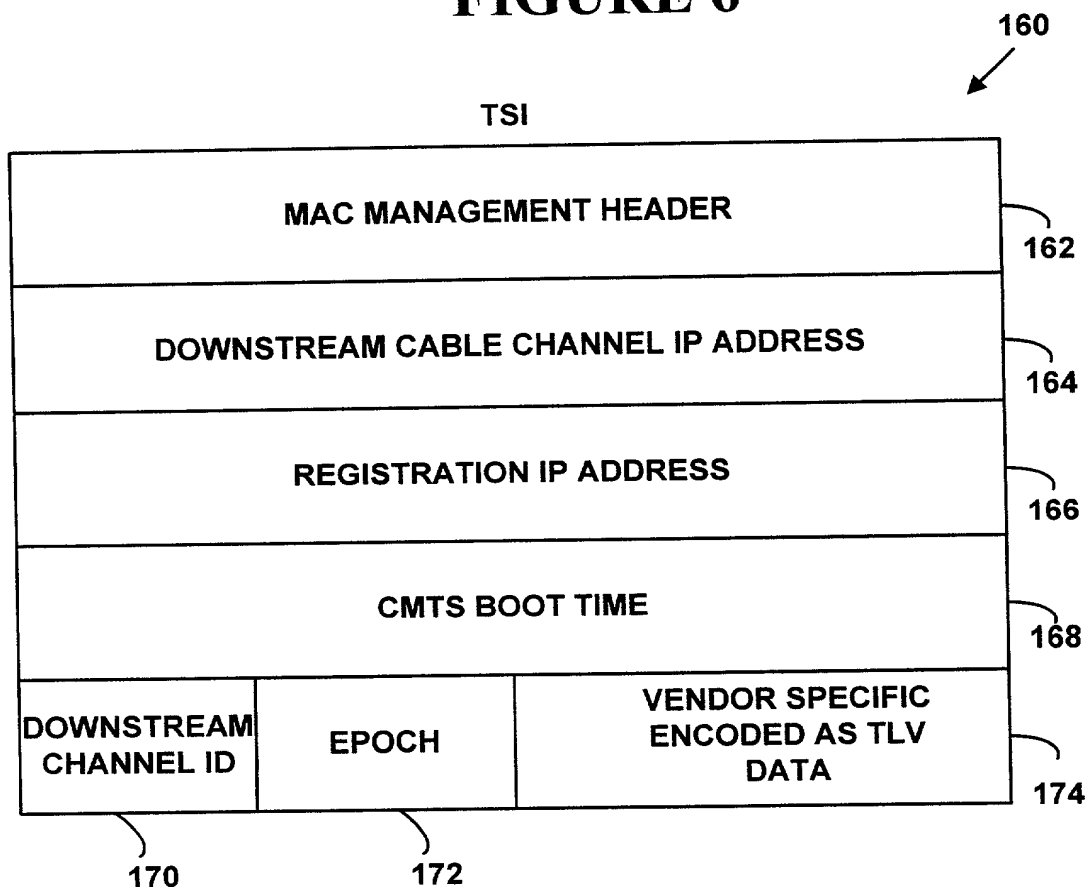


FIGURE 7

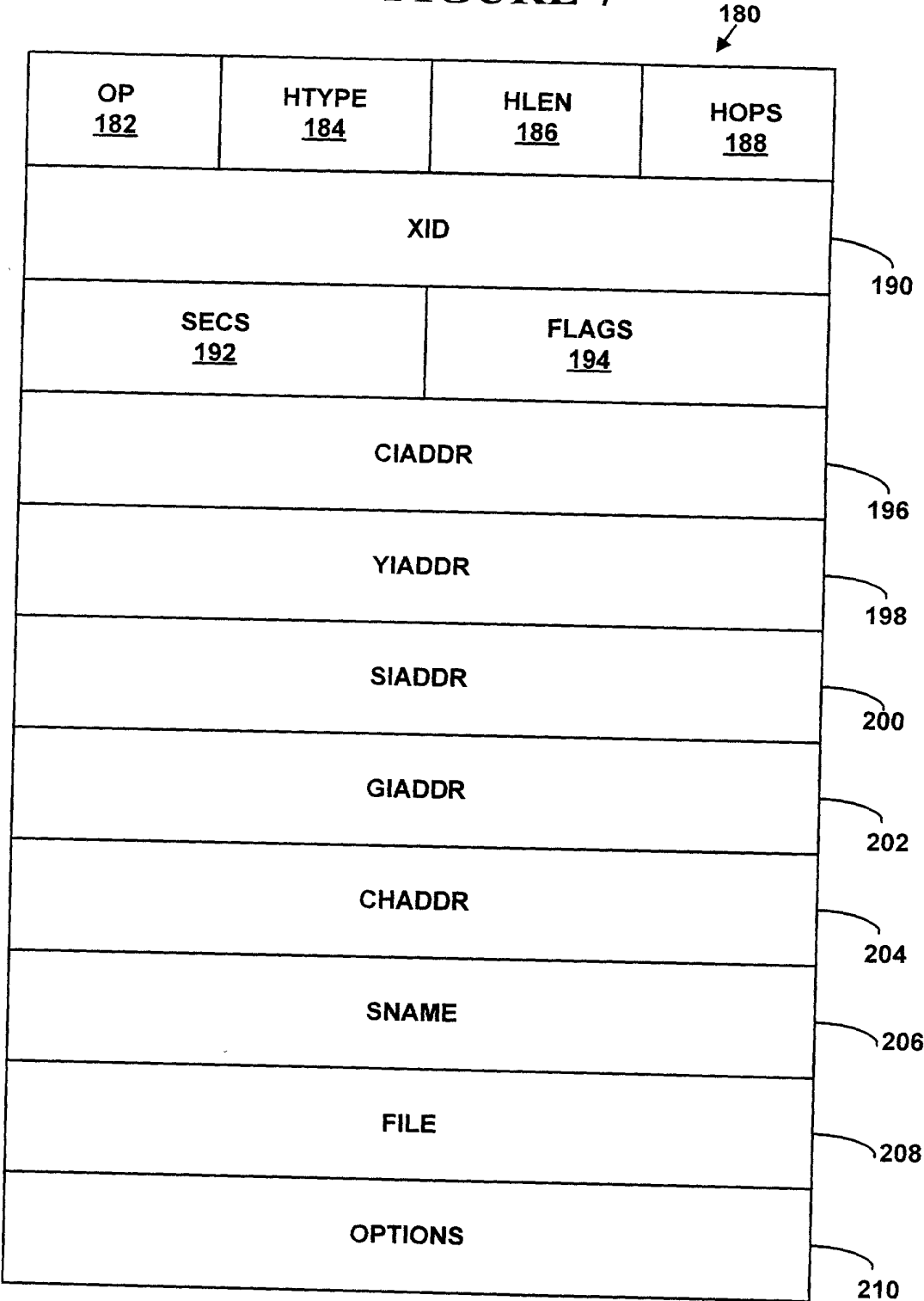
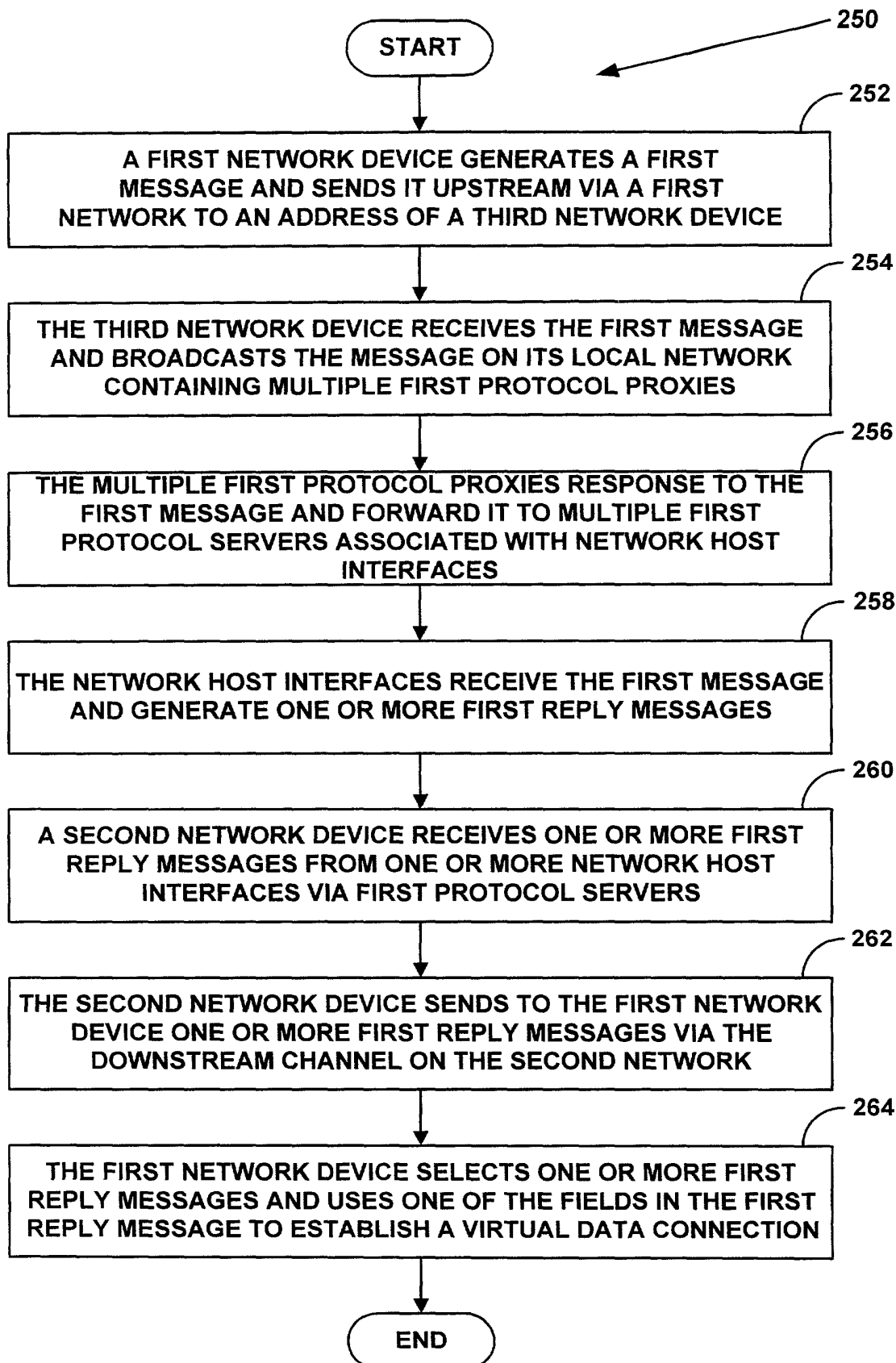


FIGURE 8



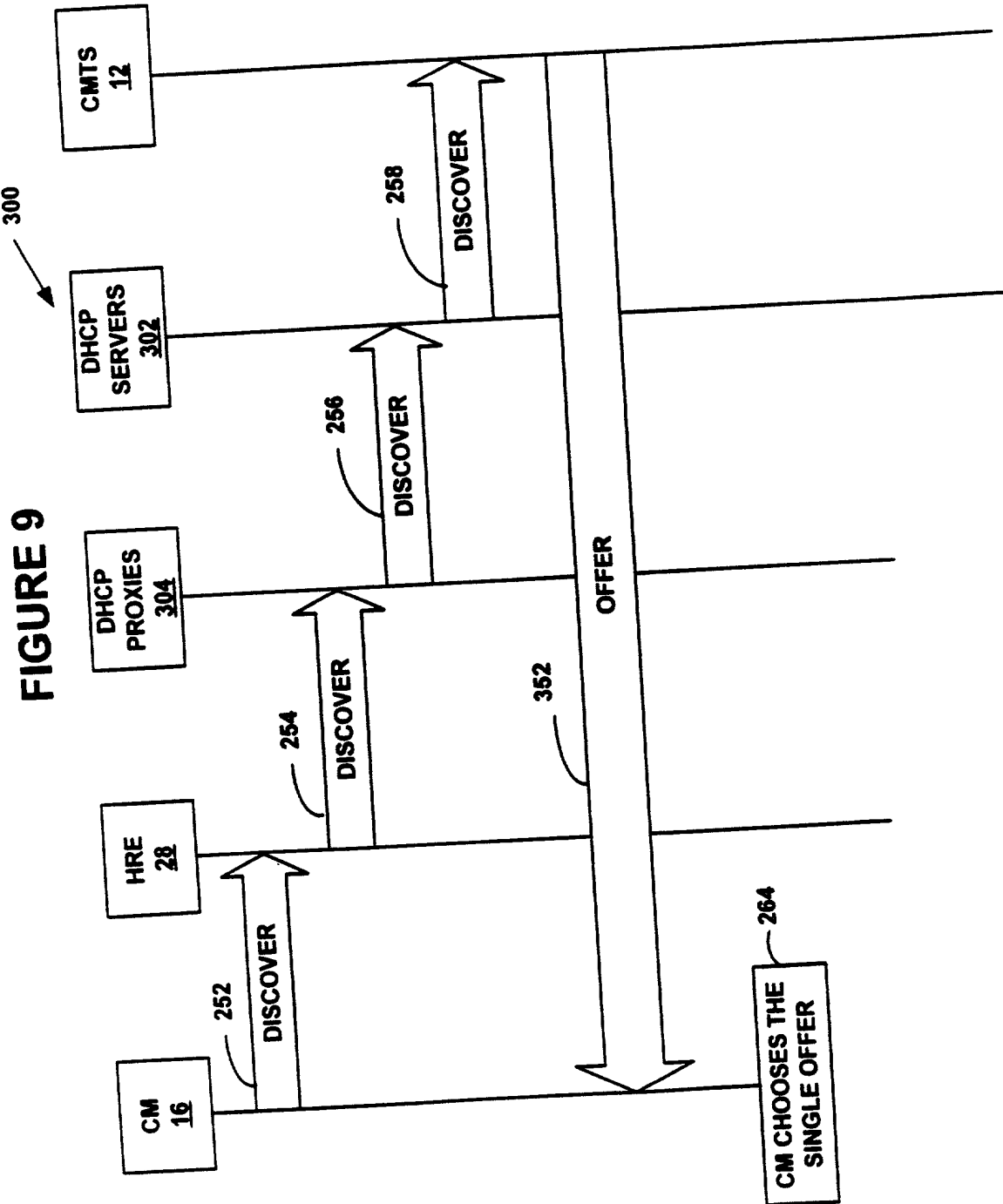
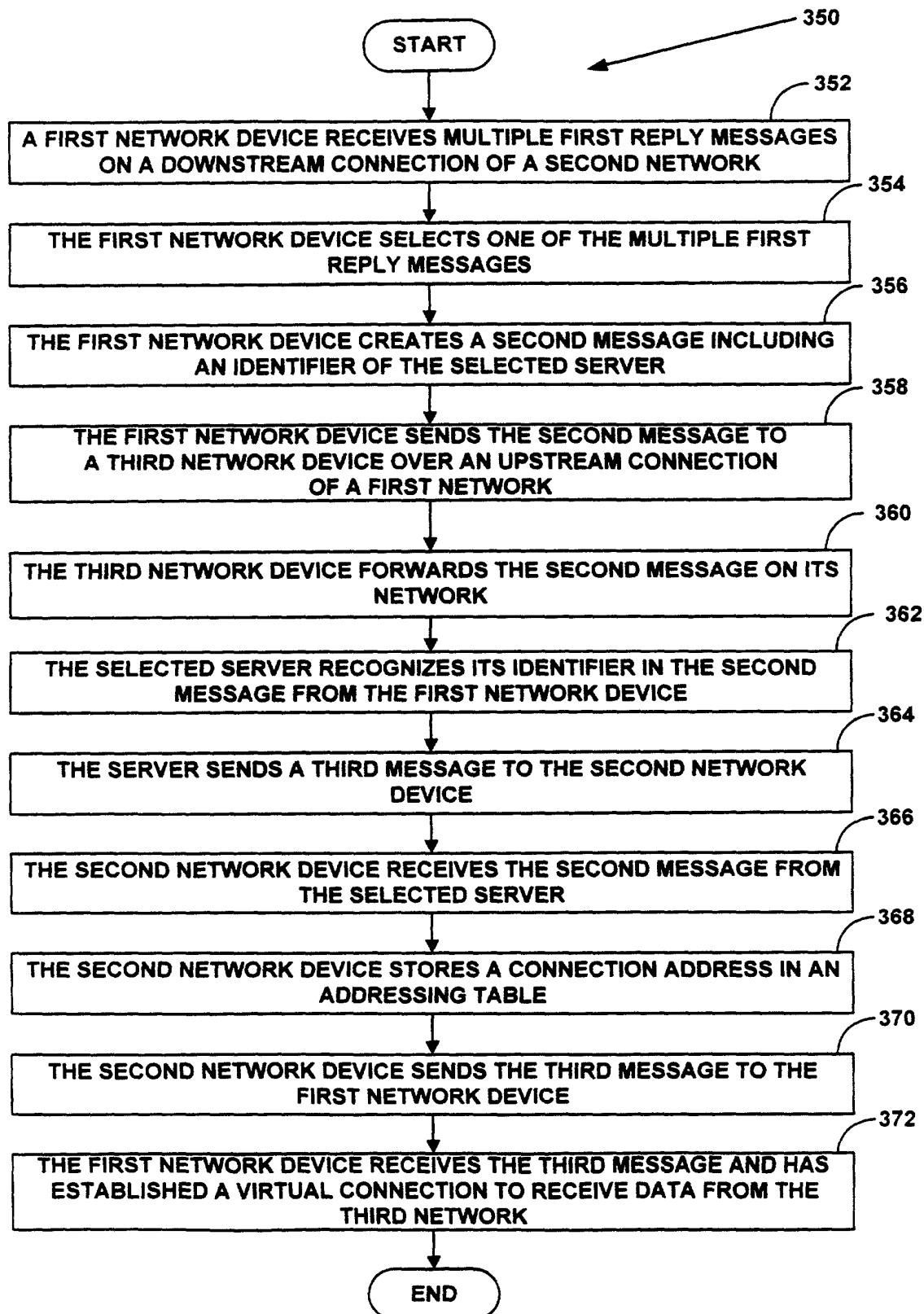
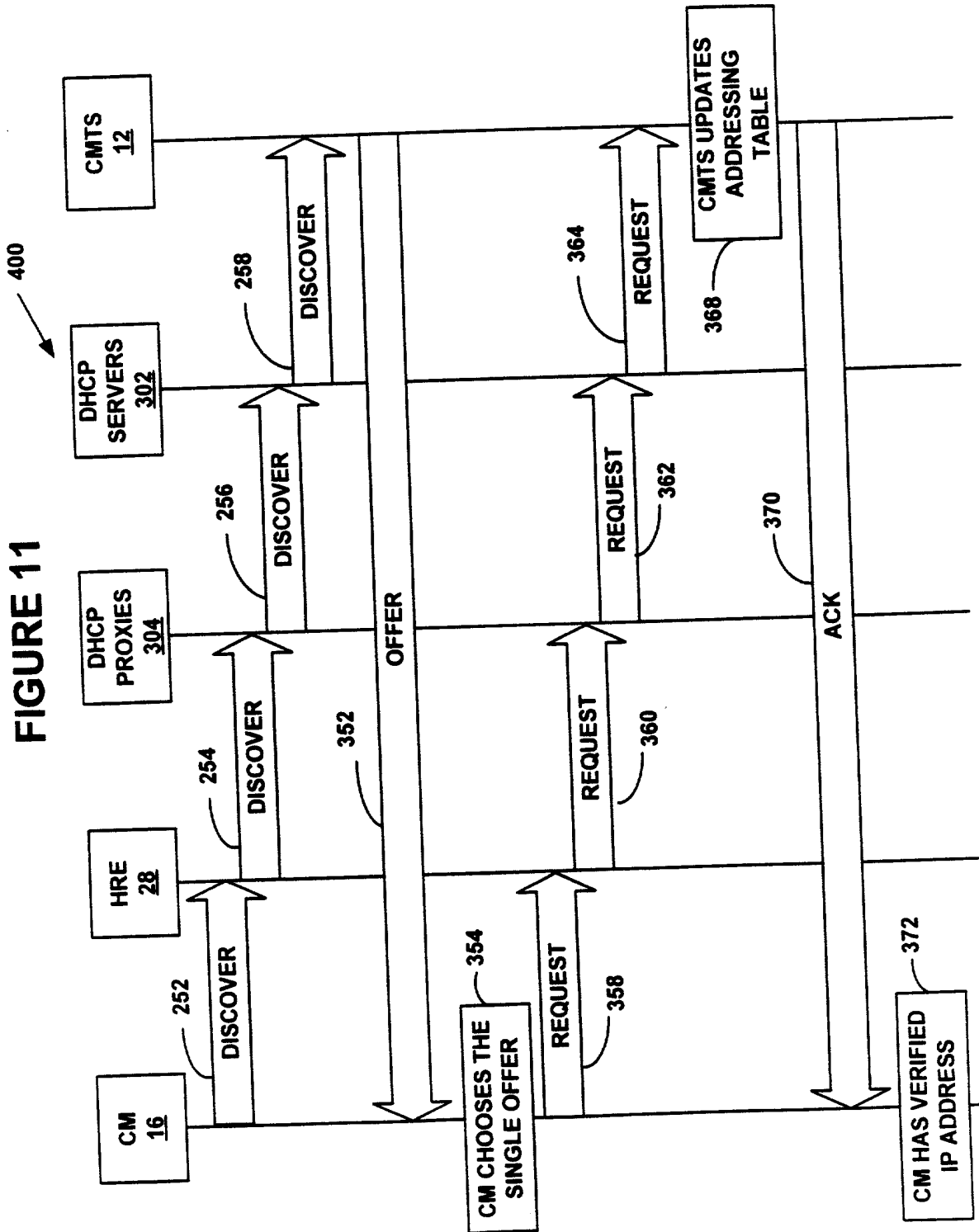


FIGURE 10





FIGUTRE 12

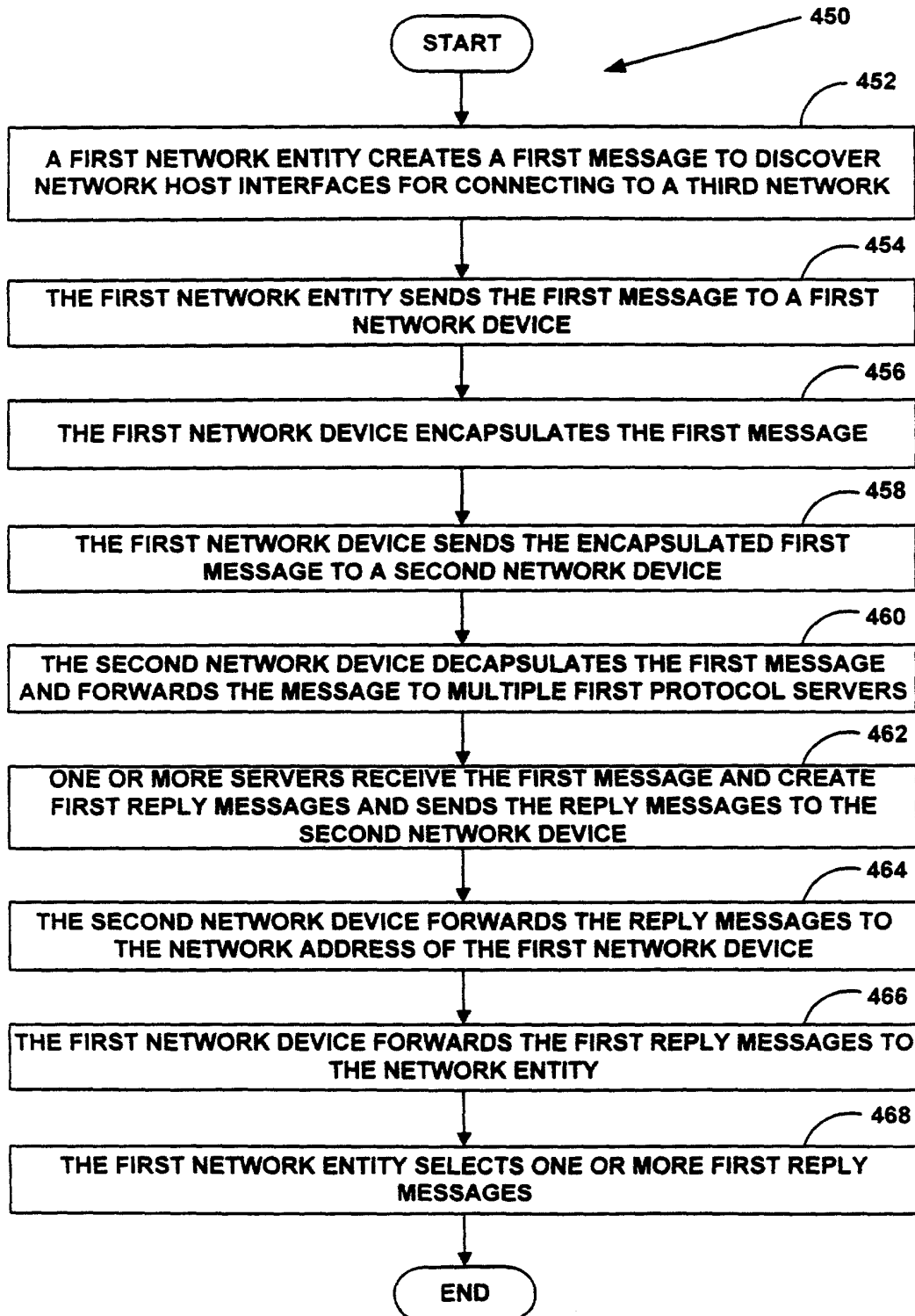


FIGURE 13

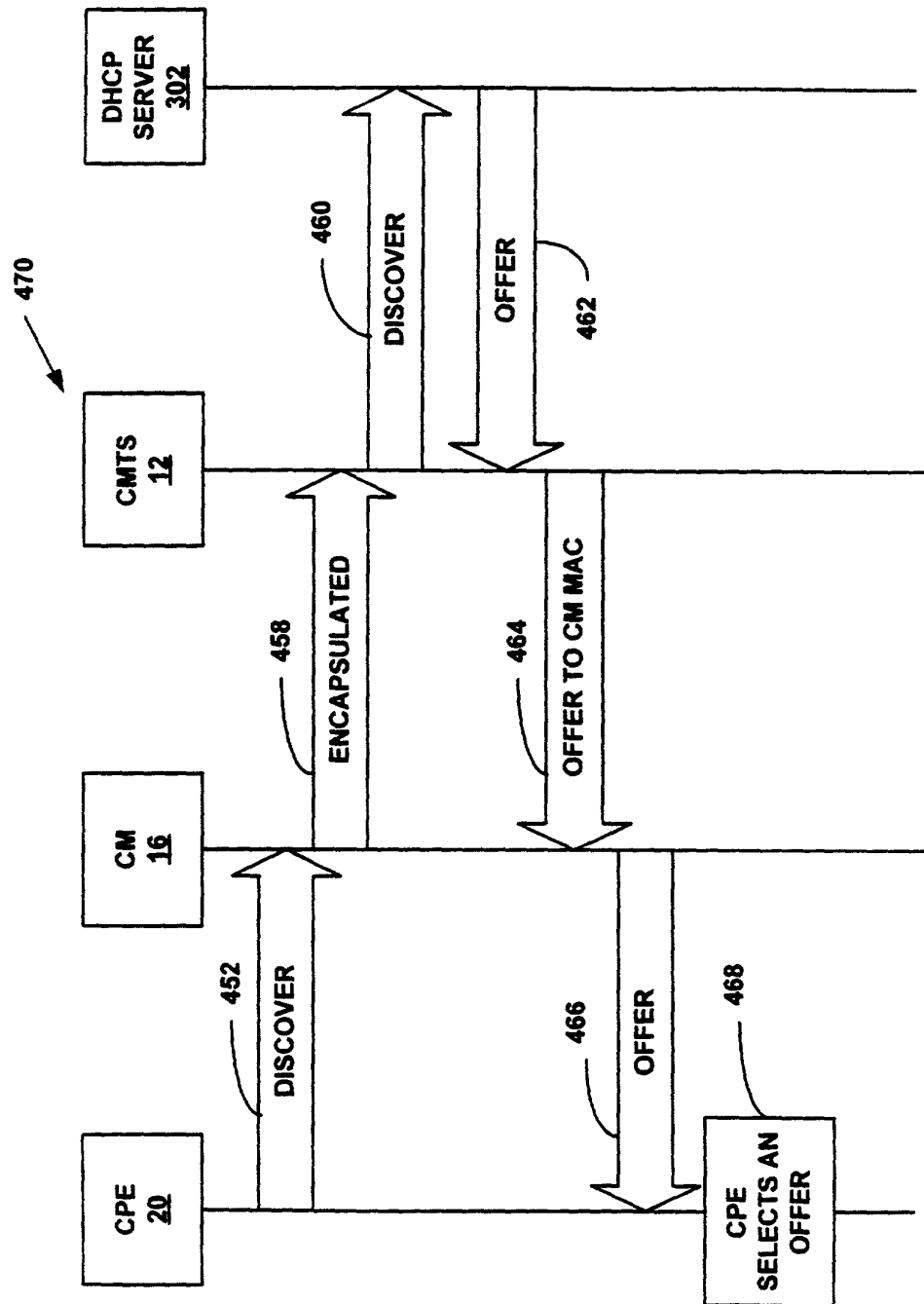


FIGURE 14A

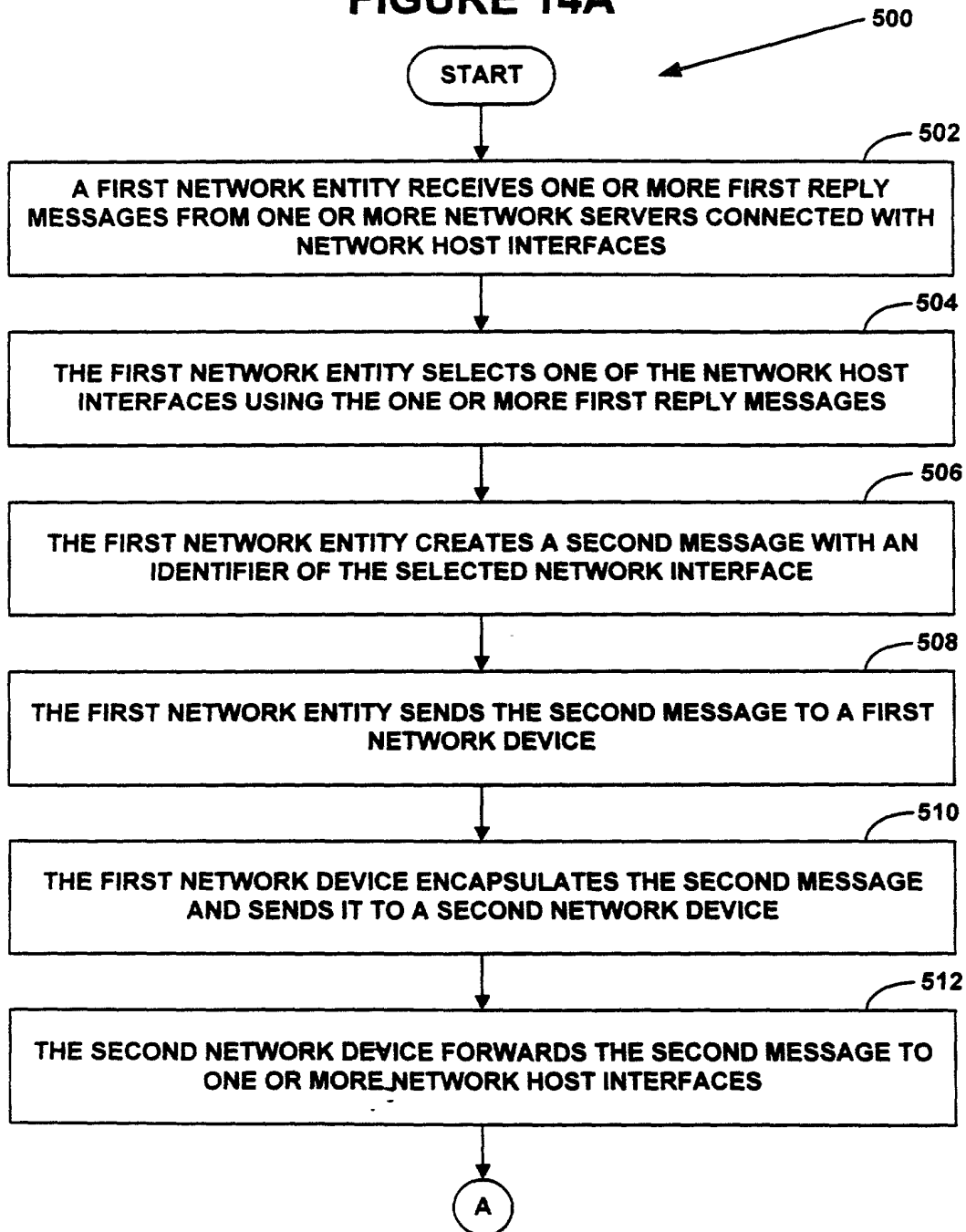


FIGURE 14B

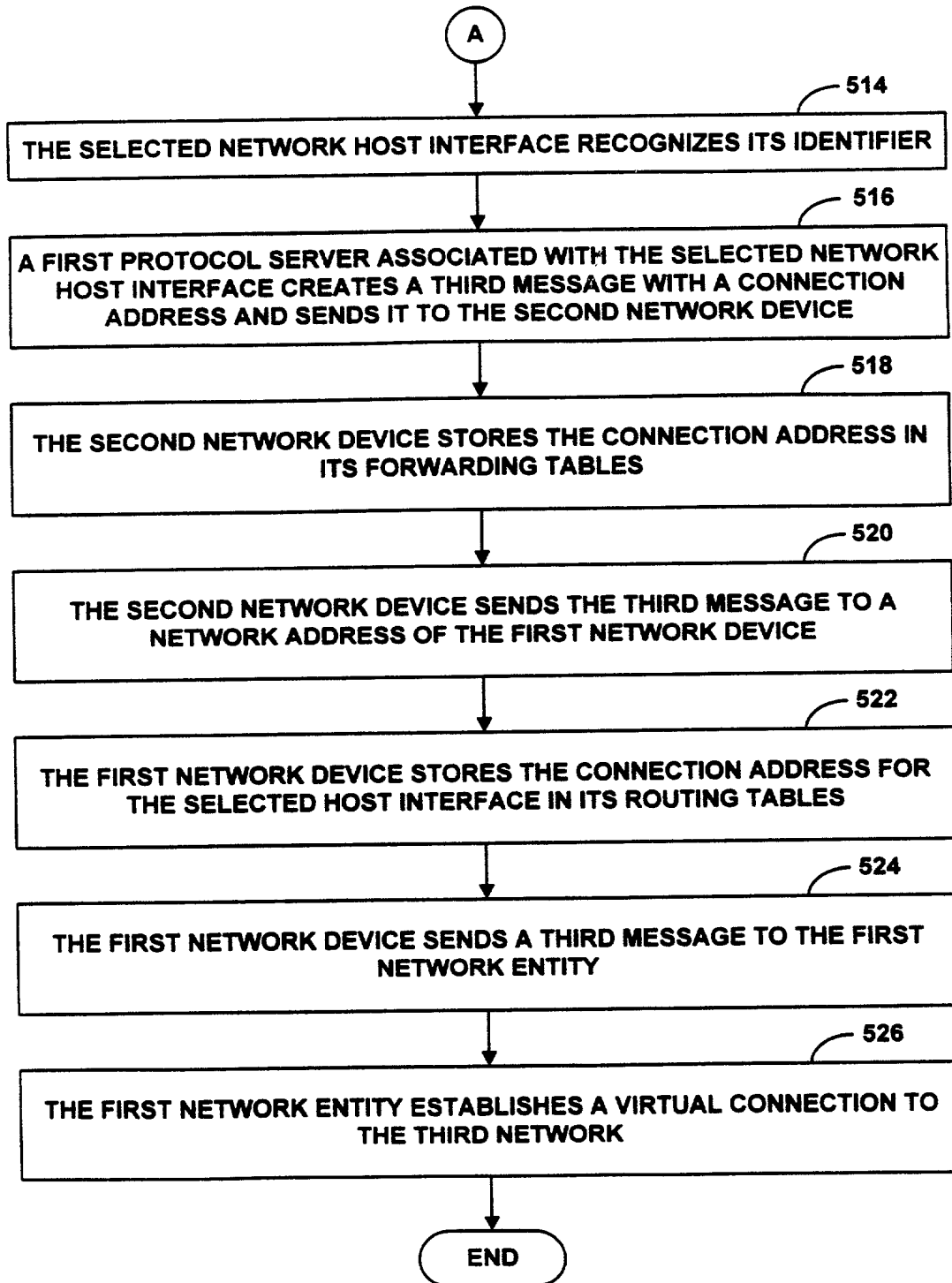


FIGURE. 15

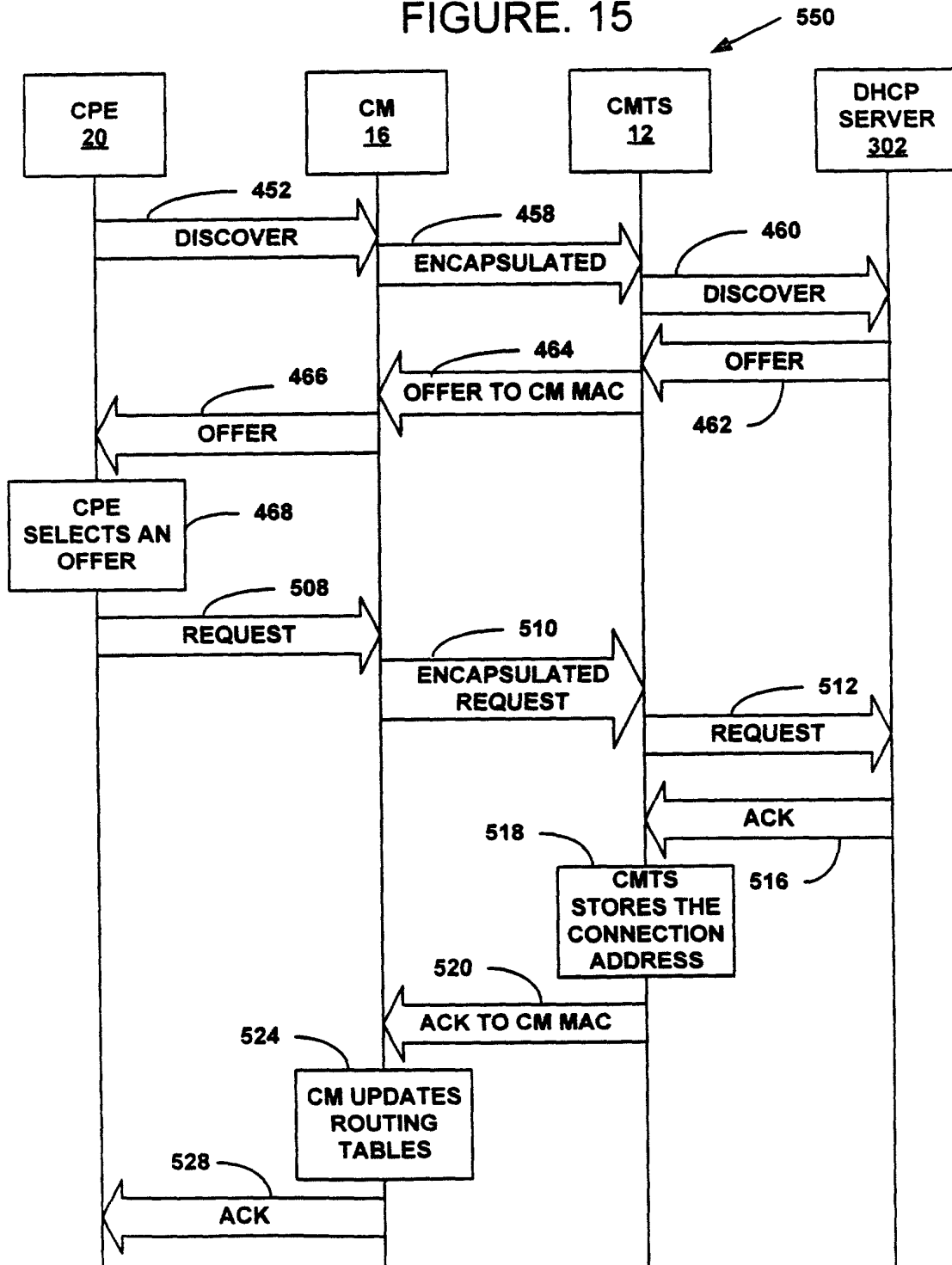


FIGURE 16A

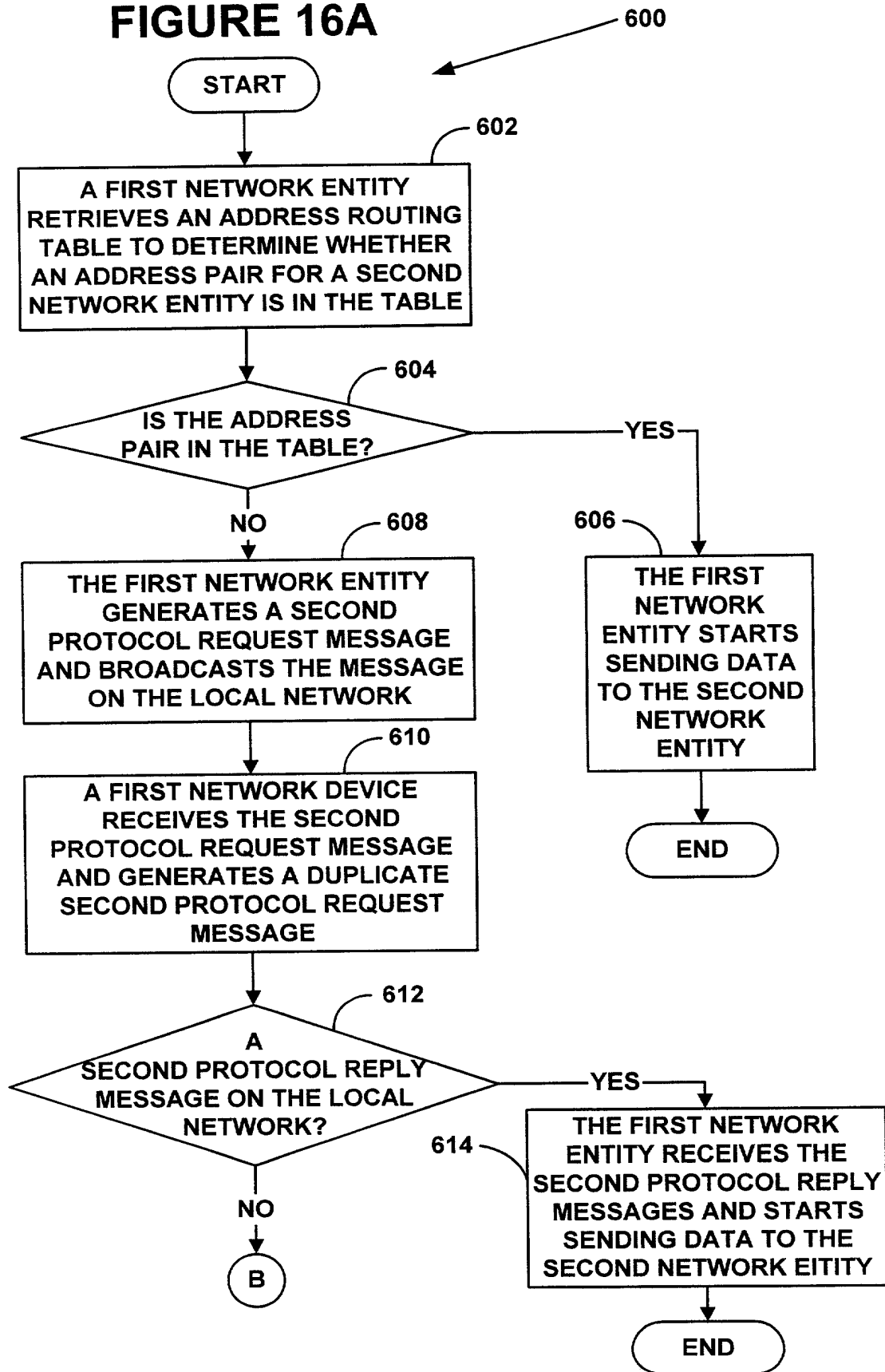


FIGURE 16B

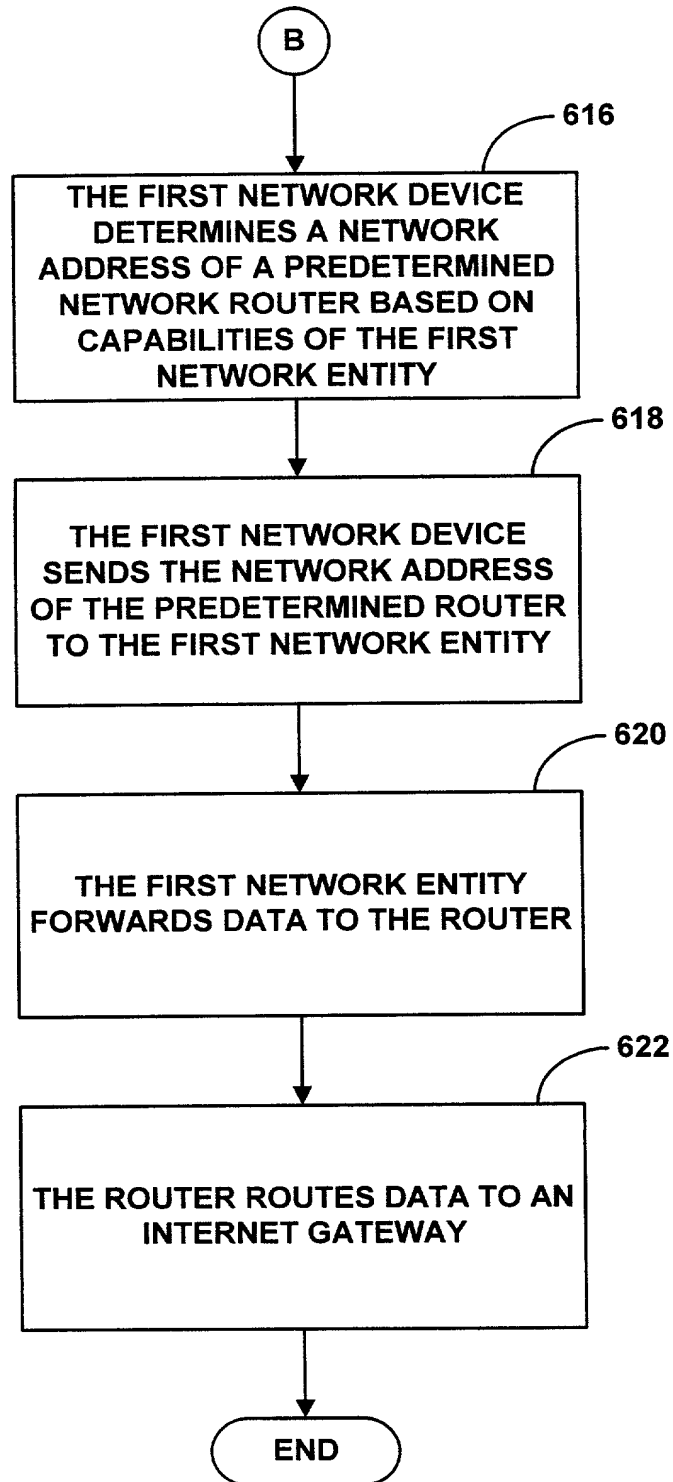


FIGURE 17

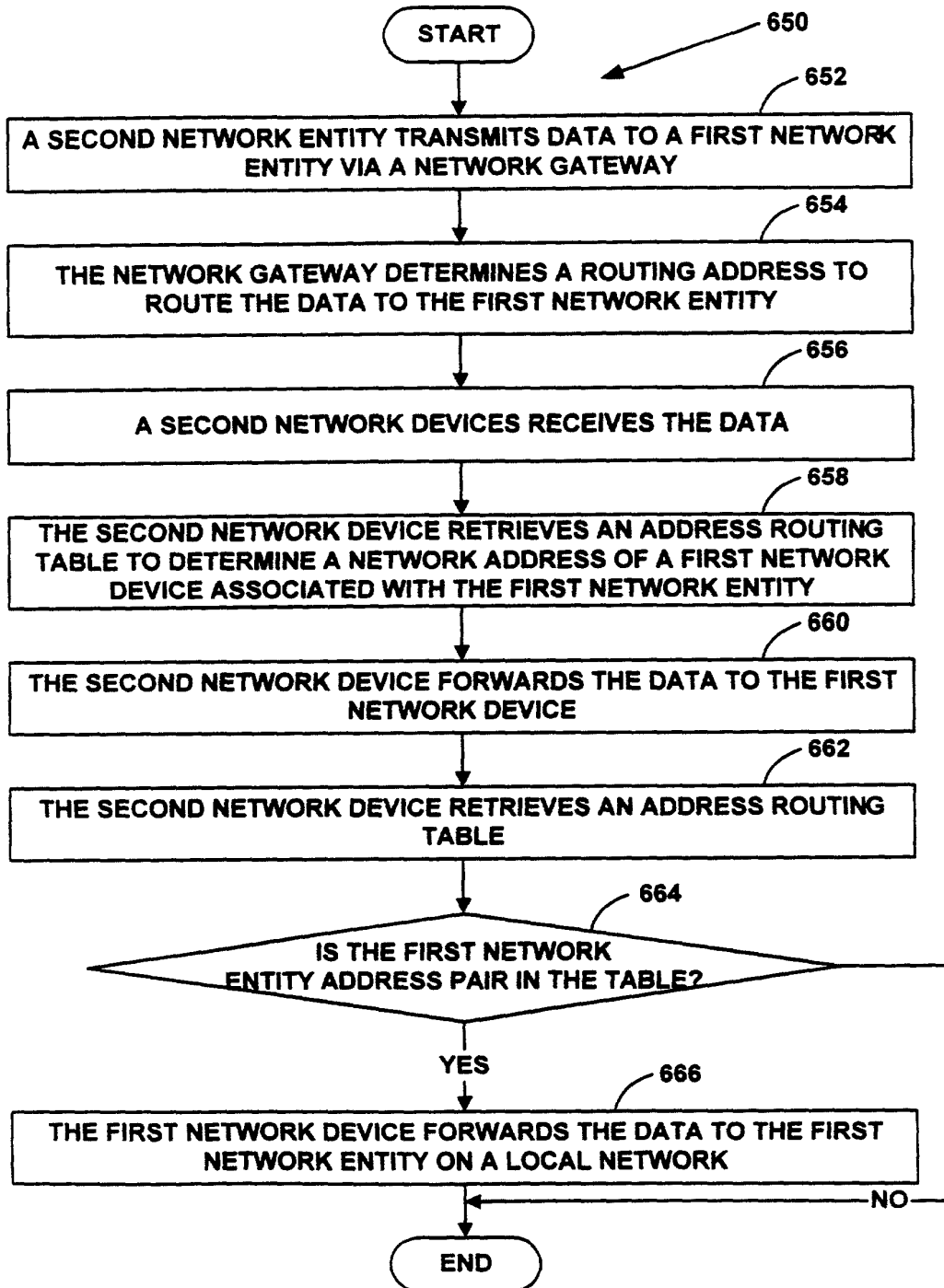


FIGURE 18

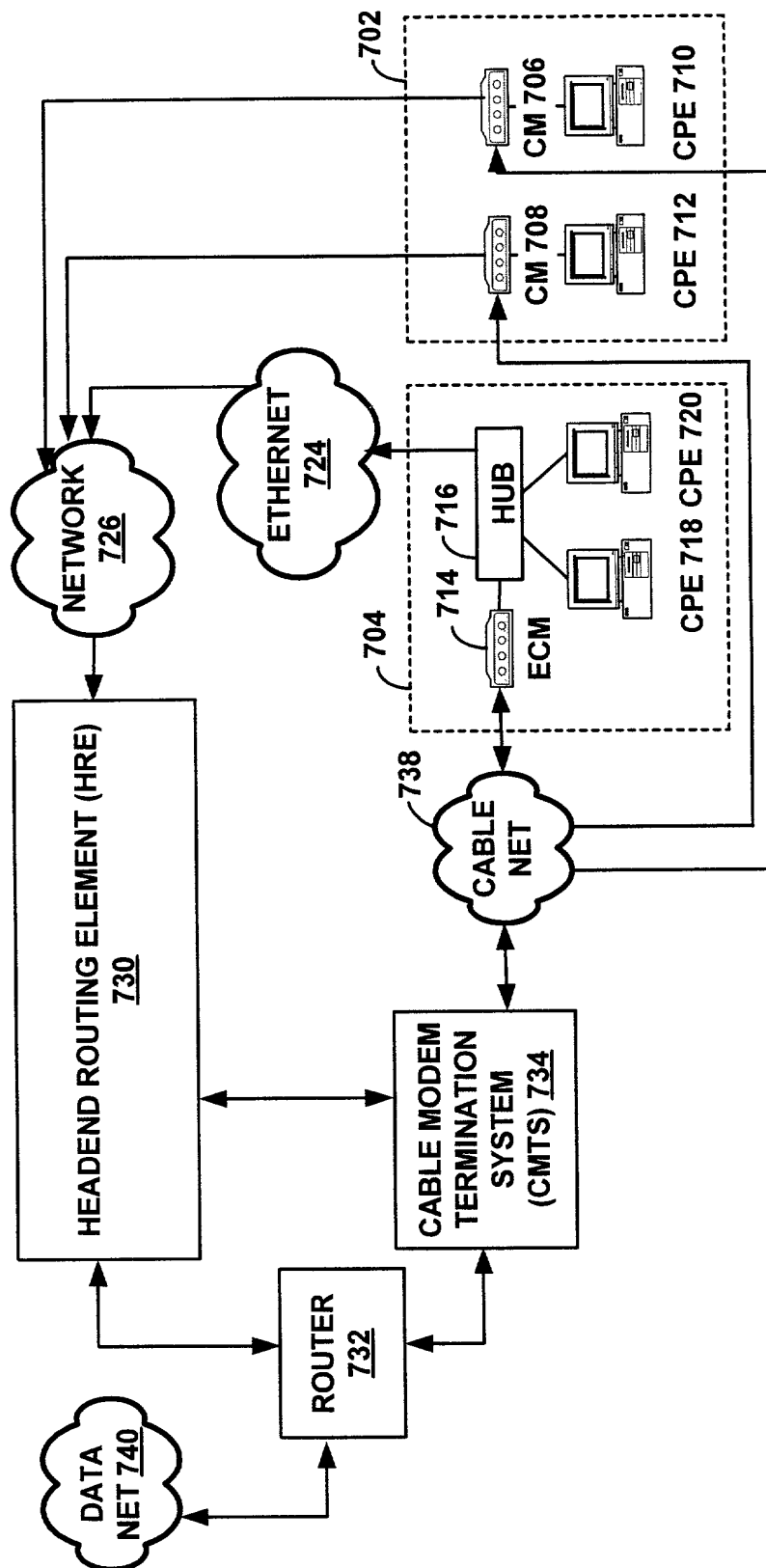


FIGURE 19A

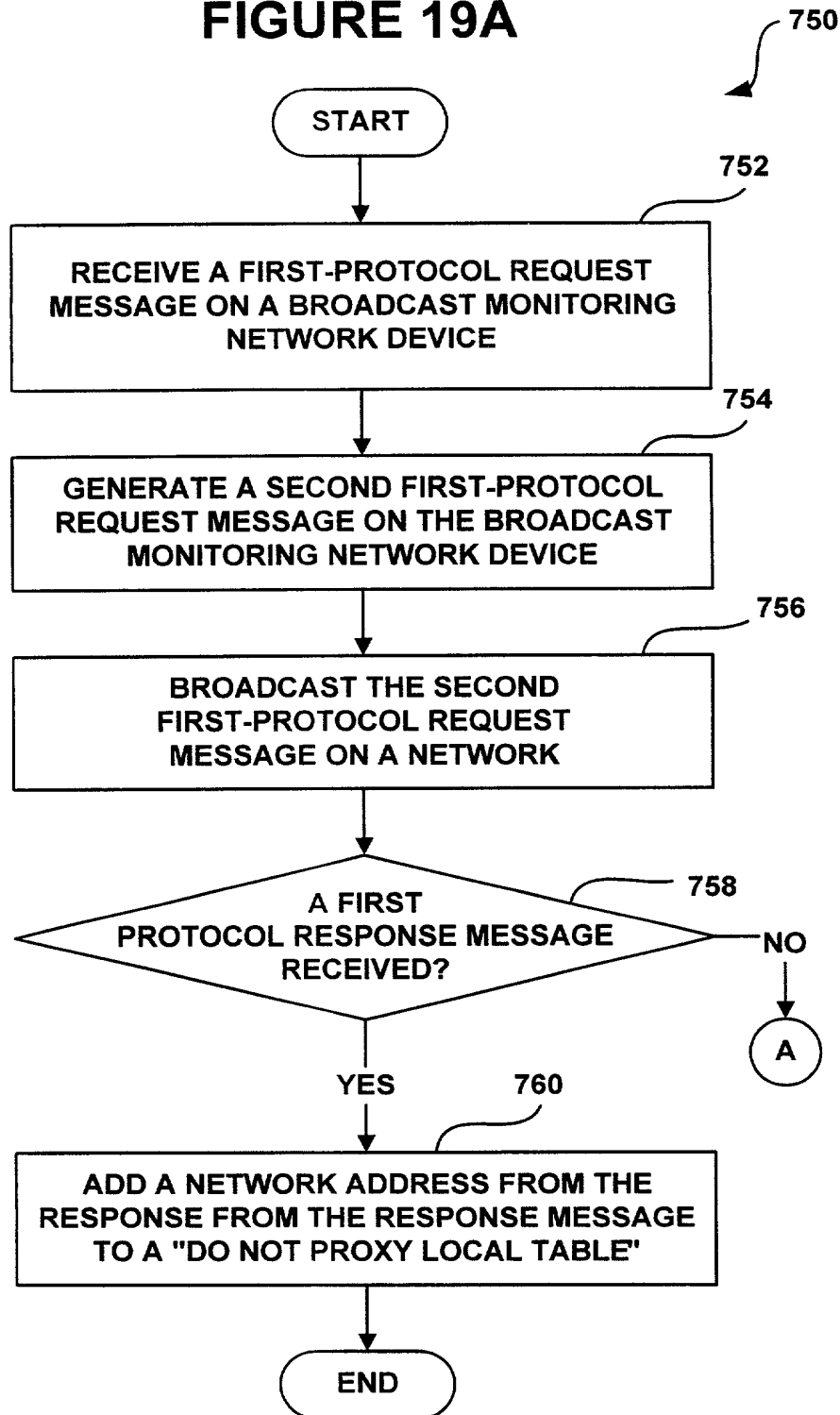


FIGURE 19B

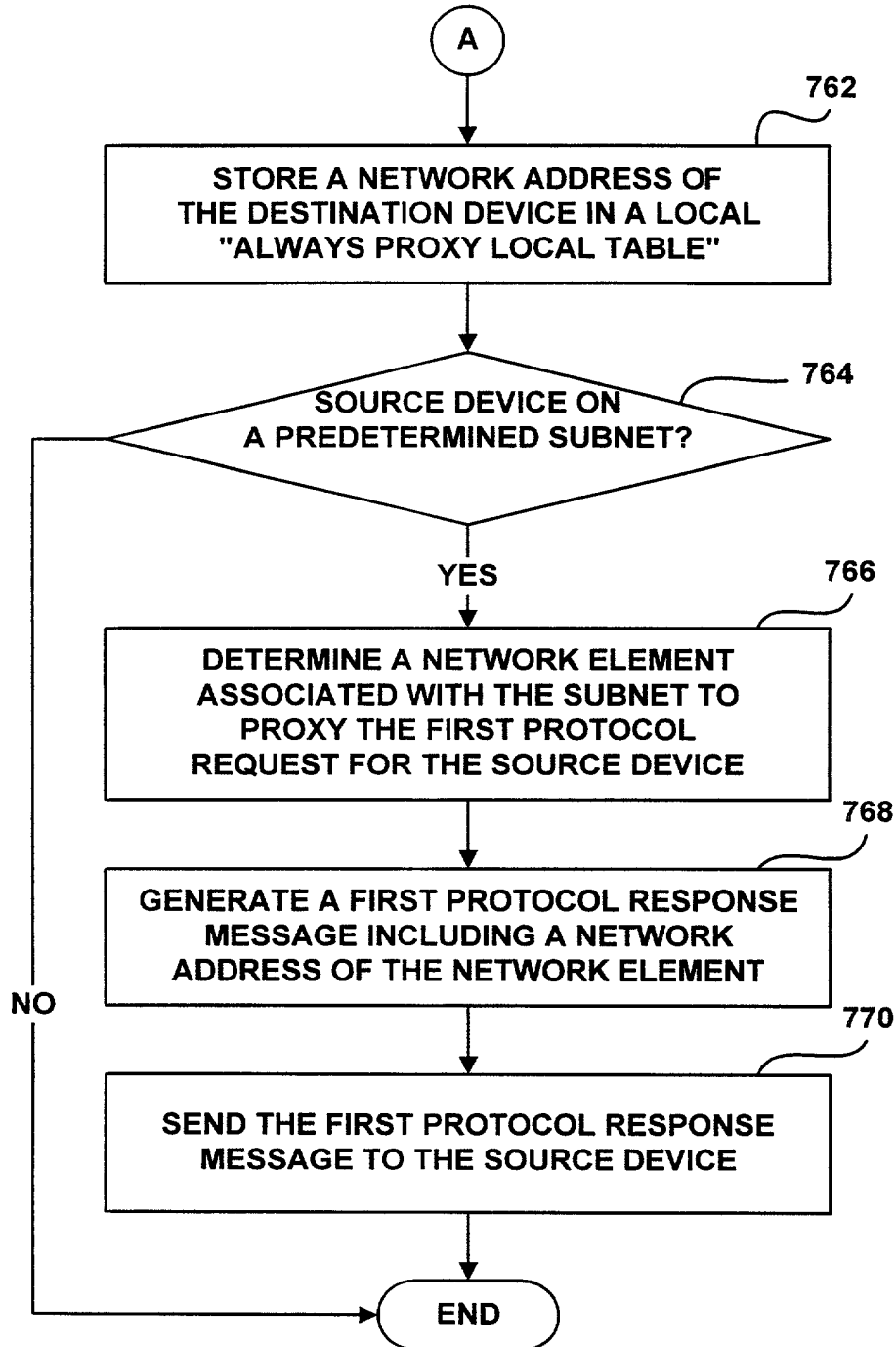


FIGURE 20

800

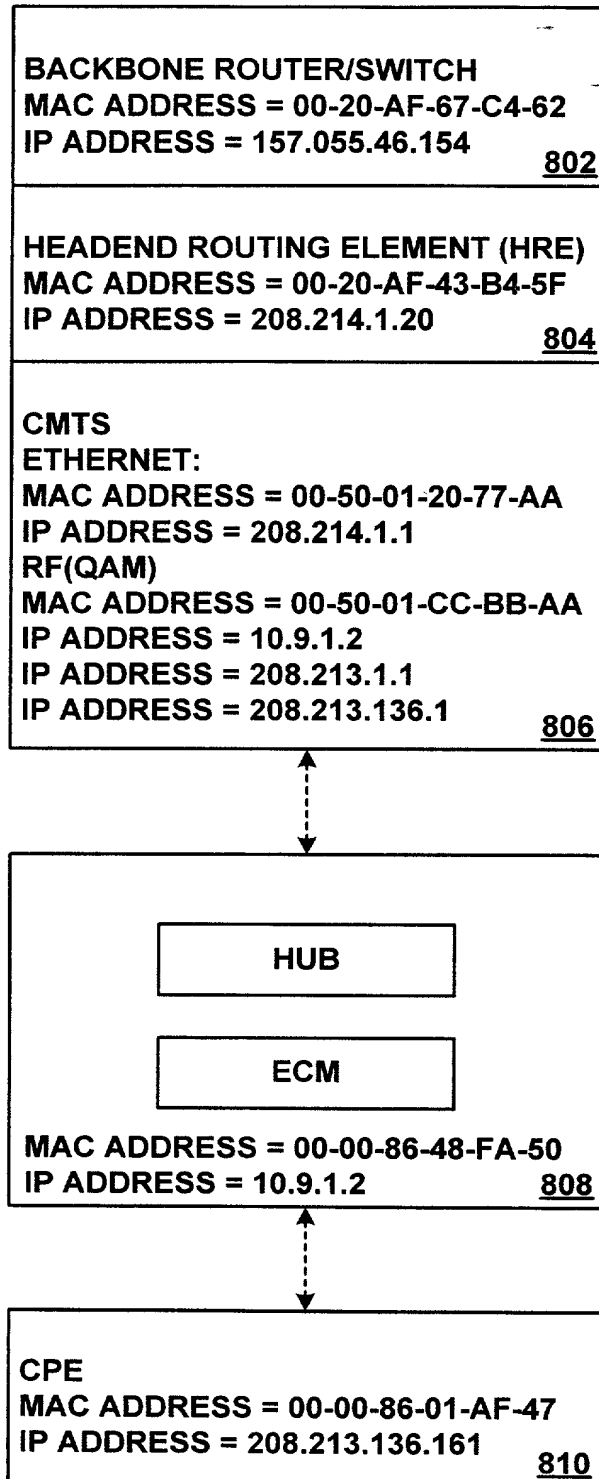


FIGURE 21

820

HARWARE TYPE		822	PROTOCOL TYPE	824	
HLEN	826	PLEN	828	OPERATION	830
SOURCE MAC					832
SOURCE IP					834
DESTINATION MAC					836
DESTINATION IP					838

FIGURE 22

850

PC ARP FOR A CPE

	SRC IP	DEST IP	SRC MAC	DEST MAC
	208.213.136.161 ⁸⁵⁶	149.112.85.162 ⁸⁵⁸	00-00-86-01-AF-47 ⁸⁶⁰	ff-ff-ff-ff-ff-ff ⁸⁶²

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ECM RESPONDS TO ARP FOR DESTINATION MAC

	SRC IP	DEST IP	SRC MAC	DEST MAC
	149.112.85.162 ⁸⁶⁴	208.213.136.161 ⁸⁶⁶	00-20-AF-43-B4-5F ⁸⁶⁸	00-00-86-01-AF-47 ⁸⁷⁰

854

HEADEND ROUTER FORWARDS THE PACKET

	SRC IP	DEST IP	SRC MAC	DEST MAC
	208.213.136.161 ⁸⁷²	149.112.85.162 ⁸⁷⁴	00-20-AF-43-B4-5F ⁸⁷⁶	00-20-AF-67-C4-62 ⁸⁷⁸

FIGURE 23

PACKET SENT TO THE CPE 810

		<u>902</u> SRC IP 149.112.85.162	<u>904</u> DEST IP 208.213.136.161	SRC MAC <u>906</u> 00-20-AF-67-C4-62 (INTERNET GATEWAY)	DEST MAC <u>908</u> 00-50-01-20-77-AA (CMTS ETHERNET)
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CMTS SENDS TO RF SIDE

		<u>910</u> SRC IP 149.112.85.162	<u>912</u> DEST IP 208.213.136.161	SRC MAC <u>914</u> CMTS MAC INTERFACE ADDRESS	DEST MAC <u>916</u> 00-00-86-01-AF-47 (CPE)
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ECM FORWARDS THE PACKET

		<u>918</u> SRC IP 149.112.85.162	<u>920</u> DEST IP 208.213.136.161	SRC MAC <u>922</u> CMTS MAC INTERFACE ADDRESS	DEST MAC <u>924</u> 00-00-86-01-AF-47 (CPE)
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